

Form PTO-1449

Attorney Docket No.
820322-1050Serial No.
10/708,623

INFORMATION DISCLOSURE CITATION

Applicant
Mauldin, et al.Filing Date
09/27/2004

Group

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

Examiner Initials	Item	Document Number	Date (MM/DD/YYYY)	Name	Class	Subclass	Filing Date If Appropriate
AK	A1	2002/0184816	12/12/2002	Philipson			
	A2	2004/0086682	05/06/2004	Rice, et al.			
	A3	2003/0075824	04/24/2003	Moore, Jr., et al.			
	A4	2004/0055951	03/25/2004	Shiotani, et al.			
	A5	2001/0051248	12/13/2001	Jerdee, et al.			
	A6	2004/0048035	03/11/2004	Bailey, et al.			
	A7	2004/0001934	01/01/2004	Young			
	A8	2,639,278	05/19/1953	Stott, et al.			
	A9	2,958,677	11/01/1960	Kleinschmidt			
	A10	3,006,867	10/31/1961	Simon			
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	A12	4,003,880	01/18/1977	Sidebotham, et al.			
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	A15	4,079,001	03/14/1978	Haase, et al.			
	A16	4,110,071	08/29/1978	Schaub, et al.			
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	A19	4,146,704	03/27/1979	Seki, et al.			
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	A22	4,404,104	09/13/1983	Wurster, et al.			
	A23	4,416,936	11/22/1983	Erickson, et al.			
	A24	4,546,128	10/08/1985	Nakajima			
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	A29	5,198,471	03/30/1993	Nauman, et al.			
	A30	5,236,959	08/17/1993	Oakley, et al.			
	A31	5,240,530	08/31/1993	Fink			

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				Applicant Mauldin, et al.			
				Filing Date 09/27/2004		Group	

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AK	B1	5,241,066	08/31/1993	David, et al.			
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	C2	5,792,336	08/11/1998	Nikolaevsky, et al.			
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	C19	6,051,300	04/18/2000	Fink			
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	C27	6,180,192	01/30/2001	Smith, et al.			
	C28	6,211,275	04/13/2001	Xanthos, et al.			
	C29	6,213,557	04/10/2001	Aebischer, et al.			
	C30	6,291,048	09/18/2001	Jerdee, et al.			
	C31	6,299,961	10/09/2001	Pelzer			
V	C32	6,306,303	10/23/2001	Goebel, et al.			

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AK	D2	6,503,595	01/07/2003	Kim, et al.			
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							Yes	No
AK	D4	143,502	11/15/1971	Czechoslovakia			X	
	D5	0 759 456	02/26/1997	Europe			X	
	D6	0 603 434	06/29/1994	Europe			Abstract	
	D7	43 43 784	07/14/1994	Germany			X	
	D8	2000-044724	02/15/2000	Japan			X	
	D9	WO 98/06778	02/19/1998	PCT			X	
	D10	WO 98/35077	08/13/1998	PCT			X	
	D11	WO 98/35998	08/20/1998	PCT			X	
	D12	WO 99/40250	08/12/1999	PCT			X	
	D13	WO 00/27245	05/18/2000	PCT			X	
	D14	WO 00/27916	05/18/2000	PCT			X	
	D15	WO 00/29463	05/25/2000	PCT			X	
	D16	WO 01/45942	06/28/2001	PCT			X	
	D17	WO 01/76869	10/18/2001	PCT			X	
	D18	WO 02/01989	01/10/2002	PCT			X	
	D19	WO 02/02310	01/10/2002	PCT			X	
	D20	WO 02/02864	01/10/2002	PCT			X	
	D21	WO 02/11589	02/14/2002	PCT			X	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

	D22	Abdel-Gawad AS Emara, Abdel-Fattah AA, Ebraheem SE. (2001) The Destructive Degradation of Some Organic Textile Dye Compounds Using Gamma Ray Irradiation. In: Use of Irradiation for Chemical and Microbial Decontamination of Water, Wastewater and Sludge. Final Report of a Co-ordinated Research Project, pp. 97-119.					
	D23	Bloch DR. Solvents and Non Solvents for Polymers. In: Polymer Handbook, Eds. Bandrup, J. Immergut, EH, Grulke, EA, 4 th Edition, John Wiley, New York, pp. 497-545, 1999.					
	D24	Calabro V, Pantano G, et al. Experimental Study on Integrated Membrane Processes in the Treatment of Solutions simulating Textile Effluents. Energy and Exergy Analysis. In: Desalination. 78:257-277, 1990.					
✓	D25	Dávila-Jiménez MM, Elizalde-González, et al. Electrochemical treatment of textile dyes and their analysis by high-performance liquid chromatography with diode array detection. In: Journal of Chromatography. A, 889:253-259, 2000.					

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		Filing Date 09/27/2004	Group
AK	E1	Dessouki AM, Abdel-Aal SE, et al. Use of Polymeric and Natural Materials for the Removal of Irradiated Direct and Acid Dyes form Effluents. Seventh Conference of Nuclear Sciences & Applications 6-10 February 2000, Cairo, Egypt.	
	E2	Gültekin I and Ince NH. Kinetics of Textile Dye Degradation by UV/H ₂ O ₂ Process. International conference on oxidation technologies for water and wastewater treatment, with technical exhibitions, 18-22 May 2003, Goslar, Germany.	
	E3	Kos L, Perkowski J. Decoloration of Real Textile Wastewater with Advanced Oxidation Processes. In: Fibres & Textiles in Eastern Europe. 11(4(43)):81-85, 2003.	
	E4	Mihut C, Captain DK, et al. Review: Recycling of Nylon From Carpet Waste. In: Polymer Engineering and Science. 41(9):1457, 2001.	
	E5	Muegge, J and Yernaux JM. Recovery of Plastics Using Solvents. In: Plastics in End of Life Vehicles. pp. 1-4, 2002.	
	E6	Ögütveren ÜB and Koparal S. Color Removal From Textile Effluents by Electrochemical Destruction. In: J. Environ. Sci. Health. A29(1):1-16, 1994.	
	E7	Pelegrini R, Peralta-Zamora P, et al. Electrochemically Assisted Photocatalytic Degradation of Reactive Dyes. In: Applied Catalysis B: Environmental. 22:83-90, 1999.	
	E8	Perkowski J, Kos L, et al. Decomposition of Anthraquinone Dye Acid Blue 62 by the Decoloration of Textile Wastewater by Advanced Oxidation Process. In: Fibres & Textiles in Eastern Europe. 2(41):88-94, 2003.	
	E9	Prevot AB, Basso A, et al. Analytical Control of Photocatalytic Treatments: Degradation of a Sulfonated Azo Dye. In: Anal. Bioanal. Chem. 378:214-220, 2003.	
	E10	Şolpan D and Güven. Decoloration and Degradation of Some Textile Dyes by Gamma Irradiation. In: Radiation Physics and Chemistry. 65:549-558, 2002.	
	E11	Starkweather HW and Jones, GA. Crystalline Transitions in Powders of Nylon 66 Crystallized from Solution. In: Journal of Polymer Science: Polymer Physics Ed. 19:467-477, 1981.	
	E12	Xu Y. Comparative Studies of the Fe ^{3+/2+} -UV, H ₂ O ₂ -UV, TiO ₂ -UV/vis Systems for the Decolorization of a Textile Dye X-3B in Water. In: Chemosphere 43:1103-1107, 2001.	
	E13	Nylon 6,6 Specific Heat and Heat of Melting. In: Manufacturing Engineer's Reference Book, 1993.	
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/Amina Khan/		07/19/2006	

IDS - 03/16/2004 **ELECTRONIC INFORMATION DISCLOSURE STATEMENT**

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	Colorant Removal from Polymeric Fibers
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Application Number :
 Confirmation Number:
 First Named Applicant: Lloyd Mauldin
 Attorney Docket Number:
 Art Unit:
 Examiner:
 Search string: (4003880 or 4118187 or 4137393 or 4146704 or 4227881 or 4546128 or 4783193 or 5198471 or 5430068 or 5456725 or 5840773 or 5989296 or 6083283).pn

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
AK	1	4003880	1977-01-18	Sidebotham			
	2	4118187	1978-10-03	Sidebotham			
	3	4137393	1979-01-30	Sidebotham			
	4	4146704	1979-03-27	Seki			
	5	4227881	1980-10-14	Fono			
	6	4546128	1985-10-08	Nakajima			
	7	4783193	1988-11-08	Pensa			
	8	5198471	1993-03-30	Nauman			
	9	5430068	1995-07-04	Subramanian			
	10	5456725	1995-10-10	Bruhnke			
	11	5840773	1998-11-24	Booij			
✓	12	5989296	1999-11-23	Patton			
	13	6083283	2000-07-04	Berkstresser, IV			

Signature

Examiner Name	Date
/Amina Khan/	07/19/2006